

# American National Standard

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468

.A8 A3  
#156

for information systems –

information resource dictionary system  
(IRDS)

Approved July 2, 1991

Secretariat: Computer and Business Equipment  
Manufacturers Association

Page 1 of 9 pages

## Amendments to ANSI X3.138-1988

*On the third page* of the foreword, add "Dana Marks" to list of Technical Committee X3H4 members.

*On page 1-vii,* line 16 from top, delete entry for 10.3.9. NOTE: See 1-375 below.

*On page 1-23,* delete line 23 from top.

*On page 1-27,* line 15 from bottom replace "... for an entity can defined..." with "... for an entity can be defined ..."

*On page 1-29,* line 1 from top, replace "(i) The entity's assigned-access-name ..." with "(i) The entity's access-name ..."

*On page 1-35,* after line 13 from bottom, insert "I date-time-literal 4.2"

*On page 1-48,* line 3 from top, replace "... See General Rule (7)." with "... See General Rule (6).";

delete lines 4 and 5 from top.

*On page 1-54,* line 9 from top, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED";

line 7 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

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- On page 1-58,* line 2 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-60,* line 12 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-61,* line 2 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-63,* line 5 from top, replace "(3) Meta-entity-assigned-access-name..." with "(3) Existing-meta-entity-assigned-access-name ...";  
line 8 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-65,* line 3 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED";  
line 2 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-68,* line 11 from bottom, replace "... specified in meta-entity-list shall be" with "... specified in meta-entity-name-list shall be"
- On page 1-71,* line 8 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-85,* delete lines 13 and 14 from bottom;  
line 12 from bottom, replace "(3) ..." with "(2) ...";  
line 11 from bottom, replace "(4) ..." with "(3) ...";  
line 9 from bottom, replace "(5) ..." with "(4) ...";  
line 8 from bottom, replace "(6) ..." with "(5) ...";  
line 5 from bottom, replace "(7) ..." with "(6) ...";  
line 2 from bottom, replace "(8) ..." with "(7) ...";
- On page 1-86,* line 1 from top, replace "(9) ..." with "(8) ...";  
line 4 from top, replace "(10) ..." with "(9) ..."
- On page 1-99,* line 14 from bottom, replace "... General Rule (5) has been violated." with "... Syntax Rule (2) or General Rule (5) has been violated."
- On page 1-100,* lines 8, 9, and 10 from bottom, replace "If specified, using IRD-views-clause shall restrict the selection of entities which shall be included in the entity-list. No entity within the list shall be selected unless it is visible in at least one of the specified IRD-Views." with "If specified, using IRD-views-clause shall restrict the selection of entities. No entity shall be selected unless it is visible in at least one of the specified IRD-Views."
- On page 1-101,* replace first paragraph of Action (2) with "Entities shall be selected. If sort-clause is specified, any additional IRD information used to sort the entities shall also be obtained."
- On page 1-123,* delete line 16 from top, lines 1, 2, and 3 from bottom.
- On page 1-124,* line 1 from top, replace "(c)" with "(b)";  
line 4 from top, replace "(d)" with "(c)"

*On page 1-136,* after line 12 from top, add the following:

- (12) Error E01217: Attribute-group-type specified more than once in command. General Rule (1) of this command has been violated.

*On page 1-137,* after line 12 from top, add the following:

- (3) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.
- (4) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.
- (5) Increment shall not be zero;

line 17 from top, insert at end "If line-number-defaults is specified, and start and/or increment are null, then start and/or increment will be assigned implementation-dependent default values."

*On page 1-138,* after line 16 from top, add the following:

- (9) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (3) of this command-clause has been violated.
- (10) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (4) or (5) of this command-clause has been violated.

*On page 1-150,* after line 8 from bottom, add the following:

- (5) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.
- (6) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.
- (7) Increment shall not be zero.

*On page 1-152,* after last line, add the following:

- (11) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (5) of this command-clause has been violated.
- (12) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (6) or (7) of this command-clause has been violated.

*On page 1-186,* delete line 19 from top;

line 1 from bottom, replace "E(s) is an entity specified in the command-clause or in the specified list." with "E(s) is an entity specified in the command-clause."

*On page 1-219,* line 6 from bottom, replace "[ new-..." with "[ , new-..."

*On page 1-220,* line 7 from bottom, replace "[ modified-..." with "[ , modified-..."

*On page 1-226,* after line 5 from top, add the following:

- (3) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.
- (4) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.

- (5) Increment shall not be zero;

line 10 from top, insert at end "If line-number-defaults is specified, and start and/or increment are null, then start and/or increment will be assigned implementation-dependent default values."

*On page 1-227,* after line 10 from top, add the following:

- (8) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (3) of this command-clause has been violated.
- (9) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (4) or (5) of this command-clause has been violated.

*On page 1-235,* after line 17 from top, add the following:

- (5) If the positional form of line-number-defaults is used, then start shall be less than the maximum number of lines for a text attribute.
- (6) If the positional form of line-number-defaults is used, then increment shall not exceed the implementation-defined maximum number of lines of text for a text attribute.
- (7) Increment shall not be zero.

*On page 1-237,* After line 11 from bottom, add the following:

- (12) Error E01159: Invalid line number. Line number is not an integer or exceeds maximum allowed value. Syntax Rule (5) of this command-clause has been violated.
- (13) Error E01160: Invalid increment value. Increment value is not an unsigned integer, exceeds maximum value, or is zero. Syntax Rule (6) or (7) of this command-clause has been violated.

*On page 1-244,* line 4 from top, replace "can" with "are"

*On page 1-265,* line 11 from bottom, replace

6.19 6.21  
with  
6.7 6.11 6.19 6.21 6.109 6.112;

line 9 from bottom, replace  
6.20

with  
6.7 6.11 6.20 6.109 6.112

*On page 1-268,* line 5 from bottom, replace

6.5 6.9  
with  
6.5 6.6 6.9

*On page 1-301,* line 3 from bottom, replace "A list of variation-names for the entity-type being added" with "A list of variation-names for entities of the entity-type being added."

*On page 1-326,* replace current text of (7) with

- (7) Format. Each meta-attribute-type shall have one of five possible formats: integer (I), string (S), text (TE), date (D), or time (TI). Integer meta-attribute-types have valid values which can be specified as unsigned integers. String meta-attribute-types have values which can be either irds-names or short-string-literals. Text meta-attribute-types

are composed of one to an implementation-dependent maximum number of lines of text. Each line of text has a unique line-number. Date meta-attribute-types have values represented by the mask CCYY-MDD. Time meta-attribute-types have values represented by the mask HHMMSS.

NOTE: This correction ensures the consistency of the format of meta-attribute-type descriptions with the **FORMAT** meta-attribute-type itself;

line 4 from bottom, replace "... if the format is numeric or string." with "if the format is not text.";

line 2 from bottom, replace "... the format is numeric or string." with "the format is not text."

*On page 1-328,* line 8 from bottom, replace "T N/A ..." with "TE N/A ..."

*On page 1-329,* last line, replace "N 1 ..." with "I 1 ..."

*On page 1-330,* line 16 from top, replace "Identifies those meta-entities which ..." with "Identifies those meta-entities and meta-relationships which ...";

line 19 from bottom, replace "... allowed for numeric attribute-types." with "... allowed for integer attribute-types.";

line 12 from bottom, replace "N 5 ..." with "I 5 ...";

line 8 from bottom, replace "N 5 ..." with "I 5 ..."

*On page 1-332,* line 3 from top, replace "N 2 ..." with "I 2 ...";

line 14 from bottom, replace "N 1 ..." with "I 1 ...";

last line, replace "N 1 ..." with "I 1 ..."

*On page 1-333,* line 12 from top, replace "N 2 ..." with "I 2 ...";

line 23 from top, replace "N 2 ..." with "I 2 ...";

line 9 from bottom, replace "N 2 ..." with "I 2 ..."

*On page 1-334,* line 4 from top, replace "N 2 ..." with "I 2 ...";

line 15 from top, replace "N 2 ..." with "I 2 ...";

line 17 from bottom, replace "N 2 ..." with "I 2 ...";

line 5 from bottom, replace "N 2 ..." with "I 2 ..."

*On page 1-335,* line 8 from top, replace "N 1 ..." with "I 1 ...";

line 19 from top, replace "N 1 ..." with "I 1 ...";

line 14 from bottom, replace "N 3 ..." with "I 3 ..."

*On page 1-336,* line 12 from top, replace "N 1 ..." with "I 1 ...";

line 25 from top, replace "N 1 ..." with "I 1 ...";

line 7 from bottom, replace "N 1 ..." with "I 1 ..."

*On page 1-337,* line 7 from top, replace "N 1 ..." with "I 1 ...";

line 19 from top, replace "N 1 ..." with "I 1 ...";

line 7 from bottom, replace "N 1 ..." with "I 1 ..."

*On page 1-338,* line 6 from top, replace "N 1 ..." with "I 1 ..."

- On page 1-339,* line 19 from bottom, replace "N 1 ..." with "I 1 ...";  
line 8 from bottom, replace "T N/A ..." with "TE N/A ..."
- On page 1-342,* line 13 from top, replace "N 1 ..." with "I 1 ..."
- On page 1-343,* line 19 from bottom, replace "N 2 ..." with "I 2 ...";  
line 3 from bottom, replace "S 8 ..." with "D 8 ..."
- On page 1-345,* last line, replace "S 6 ..." with "TI 6 ..."
- On page 1-347,* line 5 from top, replace "N 1 ..." with "I 1 ..."
- On page 1-351,* line 4 from top, replace "Meta-Entity Type" with "Meta-Relationship Type"
- On page 1-353,* line 2 from top, replace "... Meta-Attribute-Type ..." with "... Meta-Attribute-Group ...";  
delete the last line.
- On page 1-354,* line 2 from top, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"
- On page 1-364,* line 2 from bottom, end line with close-quotation-mark.
- On page 1-365,* before line 16 from bottom, add the following:
- COMMON-TO-ENTITY-TYPES
- On page 1-366,* lines 17-19 from top, replace
- |  |                |     |
|--|----------------|-----|
|  | Implementation |     |
|  | Lock           | ... |
|  | OFF            |     |
- with
- |              |                |     |
|--------------|----------------|-----|
| Common To    | Implementation |     |
| Entity-types | Lock           | ... |
| YES          | OFF            |     |
- lines 10-12 from bottom, replace
- |  |                |     |
|--|----------------|-----|
|  | Implementation |     |
|  | Lock           | ... |
|  | OFF            |     |
- with
- |              |                |     |
|--------------|----------------|-----|
| Common To    | Implementation |     |
| Entity-types | Lock           | ... |
| YES          | OFF            |     |
- On page 1-367,* line 13 from bottom, replace "Valication-Type value" with "Validation-Type value"
- On page 1-373,* line 5 from bottom, replace "..., where the meta-entity of type..." with "..., where the meta-attribute of type..."
- On page 1-375,* delete section 10.3.9. NOTE: Section 10.3.9 is a duplicate of the correctly located section 11.2 on p. 1-376.
- On page 1-390,* column 2, after line 15 from top, add the following:
- date-time-literal
- On page 2-8,* line 15 from top, delete " , DOC-CON-IN-DOC";  
line 15 from bottom, delete " , ELE-CON-IN-DOC";  
line 2 from bottom, delete " , REC-CON-IN-DOC"



- On page 2-9,* line 12 from top, delete " , DOC-PRD-DOC";  
line 20 from bottom, delete " , FIL-PRD-DOC";  
line 13 from bottom, replace "Document-derived-from-record" with "Document  
Derived From Record";  
line 7 from bottom, delete " , REC-PRD-DOC"
- On page 2-10,* line 7 from top, delete " , ELE-CON-IN-ELE";  
line 20 from top, delete " , DOC-PRD-ELE";  
line 12 from bottom, delete " , ELE-PRD-ELE"
- On page 2-11,* line 2 from top, delete " , FIL-PRD-ELE";  
line 15 from top, delete " , REC-PRD-ELE";  
line 17 from bottom, delete " , ELE-ST-OF-ELE";  
line 4 from bottom, delete " , DOC-CON-IN-FIL"
- On page 2-12,* line 10 from top, delete " , ELE-CON-IN-FIL";  
line 20 from bottom, delete " , FIL-CON-IN-FIL";  
line 7 from bottom, delete " , REC-CON-IN-FIL"
- On page 2-13,* line 7 from top, delete " , DOC-PRD-FIL";  
line 20 from top, delete " , FIL-PRD-FIL";  
line 12 from bottom, delete " , ELE-A-K-OF-FIL"
- On page 2-14,* line 2 from top, delete " , ELE-S-K-OF-FIL";  
line 15 from top, delete " , MDL-CLD-BY-MDL";  
line 17 from bottom, delete " , MDL-CON-IN-MDL";  
line 4 from bottom, delete " , MDL-FR-MDL"
- On page 2-15,* line 10 from top, delete " , DOC-PR-BY-MDL";  
line 20 from bottom, delete " , ELE-PR-BY-MDL";  
line 7 from bottom, delete " , FIL-PR-BY-MDL"
- On page 2-16,* line 7 from top, delete " , REC-PR-BY-MDL";  
line 20 from top, delete " , MDL-CLD-BY-PGM";  
line 12 from bottom, delete " , PGM-CLD-BY-PGM"
- On page 2-17,* line 2 from top, delete " , MDL-CON-IN-PGM";  
line 15 from top, delete " , PGM-CON-IN-PGM";  
line 17 from bottom, delete " , PGM-FR-PGM";  
line 4 from bottom, delete " , DOC-PR-BY-PGM"
- On page 2-18,* line 10 from top, delete " , ELE-PR-BY-PGM";  
line 23 from top, delete " , FIL-PR-BY-PGM";  
line 7 from bottom, delete " , REC-PR-BY-PGM"
- On page 2-19,* line 7 from top, delete " , ELE-CON-IN-REC";

- line 20 from top, delete " , REC-CON-IN-REC";  
line 12 from bottom, delete " , DOC-PRD-REC"
- On page 2-20,* line 2 from top, delete " , FIL-PRD-REC";  
line 15 from top, delete " , REC-PRD-REC";  
line 17 from bottom, delete " , MDL-CON-IN-SYS";  
line 4 from bottom, delete " , PGM-CON-IN-SYS"
- On page 2-21,* line 10 from top, delete " , SYS-CON-IN-SYS";  
line 20 from bottom, delete " , SYS-FR-SYS";  
line 7 from bottom, delete " , DOC-PR-BY-SYS"
- On page 2-22,* line 7 from top, delete " , ELE-PR-BY-SYS";  
line 20 from top, delete " , FIL-PR-BY-SYS";  
line 12 from bottom, delete " , REC-PR-BY-SYS"
- On page 2-23,* line 2 from top, delete " , DOC-PR-BY-USR";  
line 15 from top, delete " , ELE-PR-BY-USR";  
line 17 from bottom, delete " , FIL-PR-BY-USR";  
line 4 from bottom, delete " , REC-PR-BY-USR"
- On page 2-24,* line 10 from top, delete " , DOC-R-OF-USR";  
line 20 from bottom, delete " , ELE-R-OF-USR";  
line 7 from bottom, delete " , FIL-R-OF-USR"
- On page 2-25,* line 7 from top, delete " , MDL-R-OF-USR";  
line 20 from top, delete " , PGM-R-OF-USR";  
line 12 from bottom, delete " , REC-R-OF-USR"
- On page 2-26,* line 2 from top, delete " , SYS-R-OF-USR";  
line 15 from top, delete " , MDL-RUN-BY-USR";  
line 17 from bottom, delete " , PGM-RUN-BY-USR";  
line 4 from bottom, delete " , SYS-RUN-BY-USR"
- On page 2-27,* line 4 from bottom, delete " , CLD-BY"
- On page 2-28,* line 10 from top, delete " , CON-IN";  
line 20 from bottom, delete " , PRD";  
line 7 from bottom, delete " , FR"
- On page 2-29,* line 7 from top, delete " , PR-BY";  
line 20 from top, delete " , R-OF";
- On page 2-31,* line 18 from bottom, replace "YES STRING ..." with "NO STRING ...";  
line 4 from bottom, replace "YES STRING ..." with "NO STRING ..."
- On page 2-39,* before line 4 from bottom, insert

#### COMMON-TO-ENTITY-TYPES



On page 2-40, lines 14-16 from top, replace

	Implementation	
	Lock	...
	OFF	

with

Common To	Implementation	
Entity-Types	Lock	...
YES	OFF	

lines 14-16 from bottom, replace

	Implementation	
	Lock	...
	OFF	

with

Common To	Implementation	
Entity-Types	Lock	...
YES	OFF	

lines 1-3 from bottom, replace

	Implementation	
	Lock	...
	OFF	

with

Common To	Implementation	
Entity-Types	Lock	...
YES	OFF	

On page 4-22, first line, replace "MODIFIED-BY" with "LAST-MODIFIED-BY";  
 line 3 from top, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 4-35, line 21 from top, replace "MODIFIED-BY" with "LAST-MODIFIED-BY";  
 line 12 from bottom, replace "DATE-TIME-MODIFIED" with "DATE-TIME-LAST-MODIFIED"

On page 5-36, delete line 5 from bottom.



## FIPS PUBLICATION CHANGE NOTICE

PUBLICATION TITLE

FIPS PUB 156, Information Resource Dictionary System (IRDS).

THIS OFFICE HAS A RECORD OF YOUR INTEREST IN RECEIVING CHANGES TO THE ABOVE FIPS PUBLICATION. THE CHANGE(S) INDICATED BELOW HAVE BEEN PROVIDED BY THE MAINTENANCE AGENCY FOR THIS PUBLICATION AND WILL BE INCLUDED IN THE NEXT PUBLISHED REVISION TO THIS FIPS PUBLICATION. QUESTIONS OR REQUESTS FOR ADDITIONAL INFORMATION SHOULD BE ADDRESSED TO THE MAINTENANCE AGENCY:

Department of Commerce  
National Institute of Standards and Technology  
Computer Systems Laboratory  
Gaithersburg, MD 20899

CHANGE ITEM(S)

Attached is a copy of American National Standard X3.138A-1991 which contains amendments to American National Standard X3.138-1988, Information Resource Dictionary System (IRDS). These amendments correct editorial errors and inconsistencies in X3.138-1988. X3.138A-1991 becomes an integral part of FIPS PUB 156, and, as such, is considered to be included whenever reference is made to FIPS PUB 156.

This change notice should be filed with FIPS PUB 156.

Attachment

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Copies of FIPS PUBS are available from:

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# Federal Register

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Monday  
October 25, 1993

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## Part IV

## Department of Commerce

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### Semiannual Regulatory Agenda

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This Federal Register notice provides information on the status of planned, proposed, and completed Federal Information Processing Standards (FIPS) that are developed by the National Institute of Standards and Technology (NIST).

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## DEPARTMENT OF COMMERCE (DOC)

## DEPARTMENT OF COMMERCE

## Office of the Secretary

## 13 CFR Ch. III

## 15 CFR Subtitle A; Subtitle B, Chs. I, II, III, VII, VIII, IX, XI, XII

## 19 CFR Ch. III

## 37 CFR Chs. I, IV, and V

## 48 CFR Ch. 13

## 50 CFR Chs. II, III, and VI

## Semiannual Agenda of Regulations

AGENCY: Office of the Secretary, Commerce.

ACTION: October 1993 regulatory agenda.

**SUMMARY:** In compliance with Executive Order (E.O.) 12291 entitled "Federal Regulation" and the Regulatory Flexibility Act (Pub. L. 96-354), the Department of Commerce, in April and October of each year, publishes in the Federal Register an agenda of the rulemaking actions covered by section 1 of E.O. 12291 that the Department plans to conduct or review over the next 12 months. Rulemaking actions are grouped according to prerulemaking, proposed rules, final rules, and rulemaking actions completed since the April 1993 agenda. The purpose of the agenda is to provide information to the public on regulations currently under review, being proposed, or issued by the Department. The agenda is intended to facilitate comments and views by interested members of the public.

The Department's October 1993 regulatory agenda includes regulatory activities that are expected to be conducted during the period October 1, 1993, through September 30, 1994.

**FOR FURTHER INFORMATION CONTACT:**

**Specific:** For additional information about specific regulatory actions listed in the agenda, contact the individual identified as the contact person.

**General:** Comments or inquiries of a general nature about the agenda should be directed to Michael A. Levitt, Assistant General Counsel for

Legislation and Regulation, U.S. Department of Commerce, Washington, DC 20230; telephone: 202-482-0846.

**SUPPLEMENTARY INFORMATION:** E.O. 12291 requires all executive agencies to publish semiannually an agenda of those regulations that are under consideration pursuant to this order. By memorandum of June 14, 1993, the Office of Management and Budget (OMB) issued guidelines and procedures for the preparation and publication of the October 1993 Unified Agenda of Federal Regulations. The Regulatory Flexibility Act, 5 U.S.C. 602(a), requires agencies to publish, in April and October of each year, a regulatory flexibility agenda which contains a brief description of the subject area of any rule which is likely to have a significant economic impact on a substantial number of small entities.

**Explanation of Information Contained in the Agenda**

Within the Department, the Office of the Secretary and various operating units may issue regulations. Operating units, such as the Economic Development Administration, the Bureau of Export Administration, the International Trade Administration, the National Institute of Standards and Technology (NIST), the National Oceanic and Atmospheric Administration (NOAA), and the Patent and Trademark Office, issue the greatest share of the Department's regulations.

A large number of regulatory actions reported in the agenda are proposed or final Federal Information Processing Standards (FIPS) issued by NIST under Public Law 100-235. FIPS consist of standards and guidelines to improve Federal Government use and management of computers and information technology. The standards, while often of great use to industry and the public, apply only to the Federal Government. In developing the standards and guidelines and in providing technical guidance and coordination to Federal agencies, NIST works closely with private industry standard-setting organizations.

Another large number of regulatory actions reported in the agenda deal with

fishery management programs of NOAA's National Marine Fisheries Service (NMFS). To avoid repetition of programs and definitions, as well as to provide some understanding of the technical and institutional elements of the NMFS programs, a section on "Explanation of Information Contained in NMFS Regulatory Entries" is provided below.

**Explanation of Information Contained in NMFS Regulatory Entries**

The Magnuson Fishery Conservation and Management Act of 1976 (16 U.S.C. 1801 *et seq.*) (Act) governs the management of fisheries within the Exclusive Economic Zone (EEZ). The EEZ refers to those waters from the outer edge of the State boundaries, generally 3 nautical miles, to a distance of 200 nautical miles. Fishery Management Plans (FMPs) are to be prepared for fisheries which require conservation and management measures. Regulations implementing these FMPs regulate domestic fishing and foreign fishing where permitted. Foreign fishing can be conducted in a fishery for which there is no FMP only if a preliminary fishery management plan has been issued to govern that foreign fishing. Under the Act, eight Regional Fishery Management Councils (Councils) prepare FMPs or amendments to FMPs for fisheries within their respective areas. In the development of such plans or amendments and their implementing regulations, the Councils are required by law to conduct public hearings on the draft plans and to consider the use of alternative means of regulating.

The Council process for developing FMPs and amendments makes it difficult for NMFS to determine the significance and timing of some regulatory actions under consideration by the Councils at the time the semiannual regulatory agenda is published.

The DOC October 1993 regulatory agenda follows.

Dated: August 25, 1993/

Carol K. Darr,  
Acting General Counsel.

DOC

## National Institute of Standards &amp; Technology—Proposed Rule Stage

Sequence Number	Title	Regulation Identifier Number
509	FIPS for POSIX System Administration .....	0693-AA71
510	FIPS for IRDS Export/Import File Format .....	0693-AA76
511	Proposed Revision of FIPS 71, Advanced Data Communication Control Procedures (ADCCP) .....	0693-AA98
512	Proposed FIPS for ODA Raster DAP .....	0693-AB12
513	Revision of FIPS 177, Initial Graphics Exchange Specification (IGES) .....	0693-AB13
514	Proposed FIPS for Administration Standards for the Telecommunications Infrastructure of Federal Buildings .....	0693-AB14

DOC

## National Institute of Standards &amp; Technology—Proposed Rule Stage (Continued)

Sequence Number	Title	Regulation Identifier Number
515	National Voluntary Laboratory Accreditation Program .....	0693-AB15
516	National Voluntary Conformity Assessment Systems Evaluation .....	0693-AB17
517	Proposed Revision of FIPS 173, Spatial Data Transfer Standard (SDTS) .....	0693-AB18
518	FIPS for Open Document Architecture (ODA), Interchange Format, Language, and Associated Profiles .....	0693-AB21

## National Institute of Standards &amp; Technology—Final Rule Stage

Sequence Number	Title	Regulation Identifier Number
519	Revision of FIPS 140, General Security Requirements for Equipment Using the Data Encryption Standard .....	0693-AA68
520	FIPS for POSIX Shell and Utility Application Interface for Computer Operating Systems Environments .....	0693-AA70
521	FIPS for Digital Signature Standard .....	0693-AA86
522	Fastener Quality .....	0693-AA90
523	FIPS for Automated Password Generator .....	0693-AA94
524	Proposed FIPS for ISDN .....	0693-AA96
525	Proposed FIPS for Standard Security Label Format for GOSIP .....	0693-AA99
526	Procedures for Registering Computer Security Objects .....	0693-AB02
527	FIPS for Standard Page Description Language .....	0693-AB03
528	FIPS for Integration Definition for Function Modeling (IDEF0) and Integration Definition for Information Modeling (IDEF1X) .....	0693-AB07
529	Proposed Reaffirmation of FIPS 46-1, Data Encryption Standard (DES) .....	0693-AB09
530	Proposed Revision of FIPS 158, the User Interface Component of the Applications Portability Profile .....	0693-AB10
531	Advanced Technology Program .....	0693-AB16
532	A Proposed FIPS for an Escrowed Encryption Standard (EES) .....	0693-AB19
533	Withdrawal of FIPS 30 and FIPS 53 Which Provided Standard Forms for Describing Computer Programs and Computer Magnetic Tape .....	0693-AB20

## National Institute of Standards &amp; Technology—Completed Actions

Sequence Number	Title	Regulation Identifier Number
534	FIPS 128-1, Computer Graphics Metafile (CGM) .....	0693-AA93
535	FIPS 180, Secure Hash Standard (SHS) .....	0693-AA97
536	FIPS 125-1, MUMPS (Massachusetts General Hospital Utility Multi-Programming System) .....	0693-AB00
537	FIPS 151-2, Portable Operating System Interface (POSIX)—System Application Program Interface (C Language) ..	0693-AB01
538	FIPS 127-2, Database Language SQL .....	0693-AB05

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**DEPARTMENT OF COMMERCE (DOC)**  
**National Institute of Standards & Technology (NIST)****Proposed Rule Stage**

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**509. FIPS FOR POSIX SYSTEM  
ADMINISTRATION****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None

**Abstract:** This standard will adopt a set of specifications on an interim basis to provide functional system administration requirements for POSIX operating system implementations. Actual utility names and options for system administration will be specified in a future revision to this FIPS. This standard will facilitate the interchange of computer programs among different vendor systems and architectures.

**Timetable:** Next Action Undetermined**Small Entities Affected:** None**Government Levels Affected:** Federal**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack,  
Computer Specialist, Department of  
Commerce, National Institute of  
Standards & Technology, B151  
Technology, Gaithersburg, MD 20899,  
301 975-2833

**RIN:** 0693-AA71

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**510. FIPS FOR IRDS EXPORT/IMPORT  
FILE FORMAT****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None

**Abstract:** This standard will adopt an American National Standard being developed by Standards Committee X3H4. The standard will specify the precise format of files used to exchange

information between IRDSs. The specification will complete the IRD-IRD Interface, the functionality of which is specified in FIPS PUB 156.

**Timetable:** Next Action Undetermined**Small Entities Affected:** None**Government Levels Affected:** Federal**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack,  
Computer Specialist, Department of  
Commerce, National Institute of  
Standards & Technology, B151  
Technology, Gaithersburg, MD 20899,  
301 975-2833

**RIN:** 0693-AA76



## DOC-NIST

## Proposed Rule Stage

**511. PROPOSED REVISION OF FIPS 71, ADVANCED DATA COMMUNICATION CONTROL PROCEDURES (ADCCP)**

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This revision will adopt revised international standards for data communications control procedures. This revision will facilitate the transfer and control of information across telecommunications links and improve interoperability between different equipment and systems.

**Timetable:**

Action	Date	FR Cite
NPRM	10/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AA98

**512. PROPOSED FIPS FOR ODA RASTER DAP**

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This standard will specify an interchange format suitable for the transfer of raster images between systems designed for raster graphics applications. The standard will enable users to transfer documents between different equipment designed for raster processing.

**Timetable:**

Action	Date	FR Cite
NPRM	12/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151

Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB12

**513. REVISION OF FIPS 177, INITIAL GRAPHICS EXCHANGE SPECIFICATION (IGES)**

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This revision will update FIPS 177 by adopting revised voluntary industry specifications for IGES. The revision will enable the Federal Government to maintain compatibility with industry practices for the representation and exchange of product definition data used in computer-aided design and computer-aided manufacturing systems.

**Timetable:**

Action	Date	FR Cite
NPRM	12/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB13

**514. PROPOSED FIPS FOR ADMINISTRATION STANDARDS FOR THE TELECOMMUNICATIONS INFRASTRUCTURE OF FEDERAL BUILDINGS**

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This standard will adopt ANSI/TIA/EIA-606-1992, Administration Standard for the Telecommunications Infrastructure of Commercial Buildings. The standard will provide the administrative requirements for the telecommunications equipment spaces, cable pathways, grounding, wiring, and termination hardware that support the distribution of information within a new, existing, or renovated office building or campus.

**Timetable:**

Action	Date	FR Cite
NPRM	12/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB14

**515. NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM**

Legal Authority: 15 USC 271 et seq

CFR Citation: 15 CFR 7; 15 CFR 285

Legal Deadline: None

**Abstract:** The NVLAP procedures will be redesignated as part 285 of title 15 of the Code of Federal Regulations and revised to: expand the procedures to include accreditation of calibration laboratories; update the procedures for compatibility with conformity assurance and assessment concepts; assure consistency with relevant International Organization for Standardization (ISO) documents (e.g., ISO guides 25, 38, 43, 58, and 9000); and facilitate and promote acceptance of calibration and test results between countries to avoid barriers to trade. Provisions in this regard will facilitate cooperation between laboratories and other bodies to assist in the exchange of information and experience, harmonize standards and procedures, and establish the basis for bilateral and multilateral agreements.

**Timetable:**

Action	Date	FR Cite
NPRM	07/27/93	58 FR 40087
NPRM Comment	10/12/93	58 FR 40087
Period End		
Final Action	12/00/93	

Small Entities Affected: Undetermined

Government Levels Affected: None

Sectors Affected: Multiple

**Agency Contact:** Albert Tholen, Chief, NVLAP, Department of Commerce, National Institute of Standards &

## DOC—NIST

## Proposed Rule Stage

Technology, TRF Bldg., Room A162,  
Gaithersburg, MD 20899, 301 975-4017  
RIN: 0693-AB15

#### 516. NATIONAL VOLUNTARY CONFORMITY ASSESSMENT SYSTEMS EVALUATION

**Legal Authority:** 15 USC 271 et seq

**CFR Citation:** 15 CFR 286

**Legal Deadline:** None

**Abstract:** The National Institute of Standards and Technology (NIST) will propose to establish the National Voluntary Conformity Assessment System Evaluation (NVCASE) Program. The program will enable the Department of Commerce, acting through NIST, to evaluate and recognize competently conducted conformity assessment activities. The results of NIST evaluations will provide a basis for the U.S. Government to assure foreign governments that qualified conformity assessment bodies are competent to satisfy their regulatory requirements. The program is complementary to those of other Federal agencies and is intended, together with those programs, to provide the basis for U.S. Government negotiations with foreign governments to gain their recognition of U.S.-based conformity assessment bodies as providing results acceptable for regulatory purposes. The program is intended to cover organizations engaged in product sample testing, product certification, and quality system registration and, most especially, their accreditors. NIST will offer its evaluations, based on publicly developed requirements, on a fee-for-service basis and will provide those meeting the requirements (cont)

#### Timetable:

Action	Date	FR Cite
NPRM	07/23/93	58 FR 39486
NPRM Comment Period End	10/06/93	58 FR 39486
Final Action	12/00/93	

**Small Entities Affected:** Undetermined  
**Government Levels Affected:** None  
**Sectors Affected:** Multiple

**Additional Information:** ABSTRACT CONT: with a certificate of recognition. NIST will maintain lists of all recognized organizations and, in the case of recognized accreditation bodies, lists of conformity assessment bodies accredited by them.

**Agency Contact:** Stanley Warshaw, Director, Office of Standards Services, Department of Commerce, National Institute of Standards & Technology, Administration Building, Room A603, Gaithersburg, MD 20899, 301 975-4000  
RIN: 0693-AB17

#### 517. • PROPOSED REVISION OF FIPS 173, SPATIAL DATA TRANSFER STANDARD (SDTS)

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This proposed revision to FIPS 173, Spatial Data Transfer Standard (SDTS), adds a Topological Vector Profile (TVP). The TVP is a limited subset of SDTS specifications for the transfer of vector data. FIPS 173 currently consists of three parts and provides specifications for the organization and structure of digital spatial data transfer, definition of spatial features and attributes, and data transfer encoding. The purpose of this standard is to promote and facilitate the transfer of digital spatial data between dissimilar computer systems. This proposed revision will supersede FIPS PUB 173 in its entirety.

#### Timetable:

Action	Date	FR Cite
NPRM	07/26/93	58 FR 38792
NPRM Comment Period End	10/25/93	58 FR 38792
Final Action	12/00/93	

**Small Entities Affected:** None

**Government Levels Affected:** Federal  
**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB18

#### 518. • FIPS FOR OPEN DOCUMENT ARCHITECTURE (ODA), INTERCHANGE FORMAT, LANGUAGE, AND ASSOCIATED PROFILES

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This FIPS will adopt International Organization for Standardization (ISO) 8613-1988 and the Stable On-going Implementation Agreements for Open Systems Interconnection Protocols developed by the NIST Workshop for Implementors of Open System Environments (OSE). This standard will promote the interchange of electronic documents between different document and text processing systems.

#### Timetable:

Action	Date	FR Cite
NPRM	10/00/93	

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB21

### DEPARTMENT OF COMMERCE (DOC)

### Final Rule Stage

#### National Institute of Standards & Technology (NIST)

#### 519. REVISION OF FIPS 140, GENERAL SECURITY REQUIREMENTS FOR EQUIPMENT USING THE DATA ENCRYPTION STANDARD

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This revision will bring the standard up to date to cover new encryption applications and new

policies for testing for conformance to the standard.



## DOC—NIST

## Final Rule Stage

## Timetable:

Action	Date	FR Cite
NPRM	12/09/88	53 FR 49722
NPRM Comment Period End	03/09/89	53 FR 49722
NPRM	01/08/91	56 FR 681
NPRM Comment Period End	04/08/91	56 FR 681
Final Action	10/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AA68

## 520. FIPS FOR POSIX SHELL AND UTILITY APPLICATION INTERFACE FOR COMPUTER OPERATING SYSTEMS ENVIRONMENTS

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This standard will adopt, on an interim basis, Draft 9 of the Institute of Electrical and Electronics Engineers (IEEE) Standard for Shell and Application Utility Interface for Computer Operating Systems Environments (IEEE 1003.2/POSIX Shell and Tools). This standard will extend the functionality of the POSIX standard by providing an interactive interface for users to control processing.

## Timetable:

Action	Date	FR Cite
NPRM	06/07/89	54 FR 24375
NPRM Comment Period End	09/05/89	54 FR 24375
Repeated NPRM	06/13/90	55 FR 23959
NPRM Comment Period End	09/11/90	

Next Action Undetermined

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151

Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AA70

## 521. FIPS FOR DIGITAL SIGNATURE STANDARD

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This standard will specify a Digital Signature algorithm appropriate for digital signature applications. The standard will enable users to verify the integrity of the data and the origin of messages sent between computers and to verify the integrity of data and programs that are stored in computers.

## Timetable:

Action	Date	FR Cite
NPRM	06/30/91	56 FR 42980
NPRM Comment Period End	02/28/92	56 FR 61231
Final Action	12/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AA86

## 522. FASTENER QUALITY

Significance: Regulatory Program

Legal Authority: PL 101-592

CFR Citation: 15 CFR 280

Legal Deadline: NPRM, Statutory, May 15, 1991.

**Abstract:** This rule will implement the Fastener Quality Act. In 1990, Congress enacted the Fastener Quality Act (the Act) to protect public safety, deter introduction of nonconforming fasteners into commerce, improve traceability of fasteners used in critical applications, and provide customers with greater assurance that fasteners meet stated specifications. The Act requires that certain fasteners sold in commerce conform to the specifications to which they are represented to be manufactured; provides for accreditation of laboratories engaged in fastener testing; and requires the

inspection, testing, and certification (in accordance with standardized methods) of fasteners used in critical applications.

## Timetable:

Action	Date	FR Cite
NPRM	08/17/92	57 FR 37032
NPRM Comment Period End	11/02/92	57 FR 37032
Final Action	10/00/93	

Small Entities Affected: Businesses

Government Levels Affected: None

Agency Contact: Stanley Warshaw, FQA Program Manager, Office of Standards Services, Department of Commerce, National Institute of Standards & Technology, Room A603 Administration, Gaithersburg, MD 20899, 301 975-4000

RIN: 0693-AA90

## 523. FIPS FOR AUTOMATED PASSWORD GENERATOR

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This standard will provide an algorithm that will be implemented in software systems. The algorithm will generate pronounceable passwords for authenticating users of an ADP system, or for authorizing access to system resources.

## Timetable:

Action	Date	FR Cite
NPRM	09/08/92	57 FR 40894
NPRM Comment Period End	12/07/92	
Final Action	10-05-93	58 FR 51802
Effective Date	03-09-94	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AA94

## 524. PROPOSED FIPS FOR ISDN

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

## DOC—NIST

## Final Rule Stage

**Abstract:** This standard will define the generic protocols necessary to establish transparent Integrated Services Digital Network (ISDN) connections among Government networks and between Government and conformant common carrier networks. This standard will facilitate the interconnection of Federal telecommunications systems to standard ISDN services.

**Timetable:**

Action	Date	FR Cite
NPRM	01/13/92	57 FR 1255
NPRM Comment	04/13/92	57 FR 1255

Period End 10-05-93 58FR51804  
Final Action 04-15-94

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

**RIN:** 0693-AA96

## 525. PROPOSED FIPS FOR STANDARD SECURITY LABEL FORMAT FOR GOSIP

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This standard will specify the format for security labels to be used with the Government Open Systems Interconnection Profile (GOSIP). Security labels will facilitate the institution of controls to prevent accidental or intentional disclosure, modification, or destruction of data.

**Timetable:**

Action	Date	FR Cite
NPRM	08/21/92	57 FR 37948
NPRM Comment	11/19/92	
Period End		
Final Action	12/00/93	

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151

Technology, Gaithersburg, MD 20899, 301 975-2833

**RIN:** 0693-AA99

## 526. PROCEDURES FOR REGISTERING COMPUTER SECURITY OBJECTS

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This register will specify names that uniquely identify Computer Security Objects (CSOs), which will be used to support secure communication of data between systems. The unique names will be used to reference objects during the negotiation of security services for a transaction or application. The register will also be a repository of parameters associated with the registered object.

**Timetable:**

Action	Date	FR Cite
NPRM	08/11/92	57 FR 35787
NPRM Comment	11/09/92	
Period End		
Final Action	12/00/93	

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

**RIN:** 0693-AB02

## 527. FIPS FOR STANDARD PAGE DESCRIPTION LANGUAGE

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** This standard will adopt the International Standards Organization International Electrotechnical Commission Standard Page Description Language (SPDL), ISO/IEC/DIS 10180, which defines a device-independent format for representing documents in their final fully formatted form, to printers or other presentation processes. It combines the image description technology of modern page description languages with a document structure which enables efficient processing and page image management.

**Timetable:**

Action	Date	FR Cite
NPRM	05/04/92	57 FR 19111
NPRM Comment	08/03/92	57 FR 19111
Period End		
Final Action	12/00/93	

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Sectors Affected:** 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

**RIN:** 0693-AB03

## 528. FIPS FOR INTEGRATION DEFINITION FOR FUNCTION MODELING (IDEFO) AND INTEGRATION DEFINITION FOR INFORMATION MODELING (IDEFIX)

**Legal Authority:** PL 100-235

**CFR Citation:** None

**Legal Deadline:** None

**Abstract:** Two FIPS will adopt nonproprietary IDEF modeling techniques developed by Government and industry for use in the analysis and development of information systems. The first FIPS will adopt the IDEF0 modeling methodology which produces a structured representation of the processes and functions carried out by an information system. The second FIPS will adopt the IDEF1X modeling methodology which produces an information model of the structure and semantics of the information used by a system.

**Timetable:**

Action	Date	FR Cite
NPRM	12/14/92	57 FR 59081
Correction Notice	12/29/92	57 FR 61967
NPRM Comment	03/15/93	57 FR 59081
Period End		
Final Action	10/00/93	

**Small Entities Affected:** None

**Government Levels Affected:** Federal

**Additional Information:** The December 14, 1992, Federal Register notice incorrectly listed RIN 0693-AB11 as the RIN for this action.

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of



## DOC—NIST

## Final Rule Stage

Standards & Technology, B151  
Technology, Gaithersburg, MD 20899,  
301 975-2333.

RIN: 0693—AB07

### 529. PROPOSED REAFFIRMATION OF FIPS 46-1, DATA ENCRYPTION STANDARD (DES)

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** A review will be conducted of Federal Information Processing Standard 46, Data Encryption Standard, which provides an algorithm to be implemented in electronic hardware devices and used for the cryptographic protection of computer data. The standard, which was issued in 1977 and reviewed in 1983 and 1987, will be reviewed again to assess the continued adequacy of the standard to protect computer data.

#### Timetable:

Action	Date	FR Cite
NPRM	09/11/92	57 FR 41727
NPRM Comment	12/10/92	
Period End		
Final Action	10/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2333

RIN: 0693—AB09

### FIPS 158-1 530. PROPOSED REVISION OF FIPS 158 THE USER INTERFACE COMPONENT OF THE APPLICATIONS PORTABILITY PROFILE

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This revision will adopt the X Protocol, Xlib Interface, X11 Intrinsics and Bitmap Distribution Format Specifications of the X-Window System, Version 11, Release 5 (X Window System is a trademark of the Massachusetts Institute of Technology (MIT)). This standard will assist computing professionals involved in

system and application software development and implementation.

#### Timetable:

Action	Date	FR Cite
NPRM	10/20/92	57 FR 47839
NPRM Comment	01/19/93	57 FR 47839
Period End	10-08-93	58FR52475
Final Action	05-02-93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2333

RIN: 0693—AB10

### 531. ADVANCED TECHNOLOGY PROGRAM

Legal Authority: 15 USC 278n

CFR Citation: 15 CFR 295

Legal Deadline: None

**Abstract:** The American Technology Prescience Act of 1992 (Public Law 102-245), made changes in the legal authority for the Advanced Technology Program that must be incorporated into the ATP program procedures. Changes address: (1) participation by foreign companies in ATP; (2) the establishment of a patent policy different from the governmentwide policy set out by the Bayh-Dole Act; and (3) a new requirement that "joint research and development ventures" be industry-led. Further, requirements for royalty-sharing by ATP recipients with the Federal Government for inventions funded under ATP have been repealed by the Act and are thus to be removed from the regulations. Similarly, ATP authority to provide direct funding to independent research organizations has been repealed, and appropriate revisions to the regulations are needed. Also, changes not required by the Act will be proposed, including changes to simplify and clarify the selection criteria and to streamline the internal operations of ATP, including the selection process.

#### Timetable:

Action	Date	FR Cite
NPRM	08/02/93	58 FR 41069
NPRM Comment	09/01/93	58 FR 41069
Period End		

Action	Date	FR Cite
NPRM Comment	09/03/93	58 FR 46919
Period Extended		
NPRM Comment	09/16/93	58 FR 46919
Period End		
Final Action	12/00/93	

Small Entities Affected: Undetermined

Government Levels Affected: None

Sectors Affected: Multiple

**Agency Contact:** George Uriano, Director, Advanced Technology Program, Department of Commerce, National Institute of Standards & Technology, Administration Bldg., Room A403, Gaithersburg, MD 20899, 301 975-5187

RIN: 0693—AB16

### 532. • A PROPOSED FIPS FOR AN ESCROWED ENCRYPTION STANDARD (EES)

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This FIPS will adopt specifications for a symmetric key encryption (and decryption) algorithm and a Law Enforcement Access Field (LEAF) method to be implemented in electronic devices. The standard will provide encryption protection for sensitive unclassified telecommunications data and allow for decryption of encrypted telecommunications when interception of the telecommunications is lawfully authorized.

#### Timetable:

Action	Date	FR Cite
NPRM	07/30/93	58 FR 40791
NPRM Comment	09/28/93	58 FR 40791
Period End		
Final Action	12/00/93	

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2333

RIN: 0693—AB19

## DOC—NIST

## Final Rule Stage

**533. ●WITHDRAWAL OF FIPS 30 AND FIPS 53 WHICH PROVIDED STANDARD FORMS FOR DESCRIBING COMPUTER PROGRAMS AND COMPUTER MAGNETIC TAPE****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None**Abstract:** FIPS 30, Software Summary for Describing Computer Programs, and FIPS 53, Transmittal Form for

Describing Computer Magnetic Tape File Properties, provided standard forms for describing computer programs and computer magnetic tape. These FIPS are being withdrawn because the standard forms are obsolete and no longer stocked by the General Services Administration.

**Timetable:**

Action	Date	FR Cite
Final Action	10/00/93	

**Small Entities Affected:** None**Government Levels Affected:** Federal**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833**RIN:** 0693-AB20**DEPARTMENT OF COMMERCE (DOC)****Completed Actions****National Institute of Standards & Technology (NIST)****534. FIPS 128-1, COMPUTER GRAPHICS METAFILE (CGM)****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None**Abstract:** This revised FIPS adopts the redesignated version of the CGM standard, known as ANSI/ISO 8632-1-4:1992, and adds a requirement for the use of profiles. A profile defines the options, elements, and parameters of ANSI/ISO 8632 necessary to accomplish a particular function and to maximize the probability of interchange between systems implementing the profile. The revised FIPS adopts MIL-D-28003A, Computer-Aided Acquisition and Logistics Support (CALS), as the first CGM Application Profile.**Timetable:**

Action	Date	FR Cite
NPRM	11/26/91	56 FR 59928
NPRM Comment Period End	02/24/92	56 FR 59928
Second NPRM	05/28/92	57 FR 21961
Second NPRM Comment Period End	07/10/92	57 FR 21961
Final Action	05/11/93	58 FR 27710
Final Action Effective	10/15/93	58 FR 27710

**Small Entities Affected:** None**Government Levels Affected:** Federal**Sectors Affected:** 357 Computer and Office Equipment**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833**RIN:** 0693-AA93**535. FIPS 180, SECURE HASH STANDARD (SHS)****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None**Abstract:** This standard adopts an algorithm which provides a formula for producing a numeric value (called a "message digest") of a message (or any digital information). This standard is used whenever a secure hash algorithm is needed to provide a mechanism to check the integrity of data.**Timetable:**

Action	Date	FR Cite
NPRM	01/31/92	57 FR 3747
NPRM Comment Period End	04/30/92	57 FR 3747
Final Action	05/11/93	58 FR 27712
Final Action Effective	10/15/93	58 FR 27712

**Small Entities Affected:** None**Government Levels Affected:** Federal**Sectors Affected:** 357 Computer and Office Equipment**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833**RIN:** 0693-AA97**536. FIPS 125-1, MUMPS (MASSACHUSETTS GENERAL HOSPITAL UTILITY MULTI-PROGRAMMING SYSTEM)****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None**Abstract:** This revision adopts American National Standard for MUMPS, ANSI/MDC X11.1-1990. This revision facilitates the interchange of application programs among different computer systems and improves the productivity of computer programmers.**Timetable:**

Action	Date	FR Cite
NPRM	05/28/92	57 FR 21963
NPRM Comment Period End	08/24/92	57 FR 21963
Final Action	06/10/93	58 FR 32518
Final Action Effective	12/10/93	58 FR 32518

**Small Entities Affected:** None**Government Levels Affected:** Federal**Sectors Affected:** 357 Computer and Office Equipment**Agency Contact:** Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833**RIN:** 0693-AB00**537. FIPS 151-2, PORTABLE OPERATING SYSTEM INTERFACE (POSIX)—SYSTEM APPLICATION PROGRAM INTERFACE (C LANGUAGE)****Legal Authority:** PL 100-235**CFR Citation:** None**Legal Deadline:** None**Abstract:** This revision adopts International Standard ISO/IEC 9945-1: 1990, Information Technology - Portable Operating System Interface (POSIX) - Part 1: System Application Program Interface (API) (C Language), which defines a C programming

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## Completed Actions

language source interface to an operating system environment. This standard facilitates the portability of application programs among different computer systems.

## Timetable:

Action	Date	FR Cite
NPRM	06/29/92	57 FR 28829
NPRM Comment Period End	09/28/92	57 FR 28829
Final Action	05/12/93	58 FR 27995
Final Action Effective	10/15/93	58 FR 27995

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of

Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB01

### 538. FIPS 127-2, DATABASE LANGUAGE SQL

Legal Authority: PL 100-235

CFR Citation: None

Legal Deadline: None

**Abstract:** This revision to FIPS 127-1, Database Language SQL, adopts the American National Standard: Database Language SQL (X3.135-1992). This revision to FIPS 127-1 provides a substantial, upward-compatible enhancement of Database Language SQL.

## Timetable:

Action	Date	FR Cite
NPRM	10/09/92	57 FR 44126
NPRM Comment Period End	12/08/92	57 FR 44126
Final Action	06/02/93	58 FR 31354
Final Action Effective	12/03/93	58 FR 31354

Small Entities Affected: None

Government Levels Affected: Federal

Sectors Affected: 357 Computer and Office Equipment

Agency Contact: Shirley Radack, Computer Specialist, Department of Commerce, National Institute of Standards & Technology, B151 Technology, Gaithersburg, MD 20899, 301 975-2833

RIN: 0693-AB05



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